



Leak Detection Test Reporting Requirements for OPW Site Sentinel ATG Static Leak Detection

BUREAU OF WEIGHTS & MEASURES

PO Box 8911

Madison, WI 53708

608-224-4942

datcpweightsandmeasures

@wisconsin.gov

www.datcp.wi.gov

RESOURCES

More information on applicable Wisconsin laws can be found at these links:

Wis. Admin. Code § ATCP 93.510

https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/510

Wis. Admin Code § ATCP 93.515

https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/515

Materials Approval Page

https://datcp.wi.gov/Pages/Programs_Services/MaterialApprovalsLeakDetection.aspx

OPW

<http://www.opwglobal.com/products/us/electronic-systems/fuel-management-systems/tank-gauging/sitesentinel-integra-100/sitesentinel-integra-100-console>

Approval #20120001

<https://datcp.wi.gov/Documents/ER-BST-MA-20120001.pdf>

When to submit your test results

- When renewing your annual Permit-to-Operate the owner/operator must supply the department with passing test reports of the 3 most current consecutive months of testing, and each test must be 28-32 days apart. For example, if your first test was June 1, the second test must be July 1, and the third test must be on August 1.
- When an inspection is conducted by the State of Wisconsin, at least 12 months of test reports must be available for review by a state inspector.
- Below are the test report examples that your OPW Site Sentinel ATG system will print. You are required to submit the test reports when renewing your annual permit to operate. You will need to know which test report your system will produce depending on how your service company programmed your ATG monitor.

TIMED LEAK TEST
MODULE : 1 POSITION : D PROBE # : 1
DESCRIPTION: DIESEL
PRODUCT : DIESEL
START : OCT 2, 2015 10:34 AM
END : IN PROGRESS

TIMED LEAK TEST
MODULE : 1 POSITION : D PROBE # : 1
DESCRIPTION: DIESEL
PRODUCT : DIESEL
START MEASUREMENT
OCT 2, 2015 10:34 AM
PRODUCT LEVEL : 35.8451 IN
WATER LEVEL : -0.0402 IN
AVG PRODUCT TEMP : 66.4297 F
NET CORRECTED PROD : 1908.8457 GAL
GROSS MEASURED PROD : 1917.2819 GAL
NET CORRECTED TANK : 1908.8457 GAL
GROSS MEASURED TANK : 1917.2819 GAL
VOLUME LEFT IN TANK : 2082.7183 GAL
GROSS WATER : 0.0000 GAL
END MEASUREMENT
OCT 2, 2015 12:34 PM
PRODUCT LEVEL : 35.8450 IN
WATER LEVEL : -0.0401 IN
AVG PRODUCT TEMP : 66.4242 F
NET CORRECTED PROD : 1908.8455 GAL
GROSS MEASURED PROD : 1917.2744 GAL
NET CORRECTED TANK : 1908.8455 GAL
GROSS MEASURED TANK : 1917.2744 GAL
VOLUME LEFT IN TANK : 2082.7256 GAL
GROSS WATER : 0.0000 GAL
LEAK RATE
NET TANK LEAK RATE : -0.0001 GAL/HR
LEAK RATE THRESHOLD : 0.1000 GAL/HR
TEMPERATURE CHANGE : -0.0055 F
TEST DURATION : 2 HRS 0 MINS
TEST PASSED

or

Line1
Line2
Line3

10/01/2015 12:00 PM

10/01/2015 08:00 AM

51.5692 [in] 65.224 [F] 3060.8254 [gal] 3053.4866 [gal]

10/01/2015 12:00 PM

51.5690 [in] 65.219 [F] 3060.8052 [gal] 3053.4739 [gal]

0.20 [gal/hr] 60.6% 240 [min]

If you have questions about how your OPW Site Sentinel ATG system works please contact your service company or [OPW](#) directly. You can also find further information about your specific leak detection equipment on the materials approval page of our [website](#). The OPW material approval number is [20120001](#).

(over)

Leak detection FAQs:

- *What is leak detection?*
“Leak Detection” means determining whether a discharge of regulated substance has occurred from a storage tank system into the environment or into the space between the tank and its secondary barrier or containment.
- *What is “ATG”?*
“Automatic Tank Gauging” (ATG) or “Automatic Leak Detection” means a leak detection or monitoring system that will provide continuous 24-hour monitoring for the detection of a release or leak of vapor or product and will immediately communicate the detection of the release or leak to an electronic signaling device.
- *What is static testing?*
[Wisconsin Administrative Code §§ ATCP 93.510](#) and [93.515](#) require all new and existing underground tank systems which store regulated substances to be provided with a method of leak detection. One of the acceptable methods of leak detection is “static” leak detection testing.

A static test monitors the integrity of the tank system by measuring changes in product volume/level. This type of test may require the tank system to be shut down for several hours, during which time there should be no dispensing or delivery of product. The test must be performed with a minimum amount of product as determined by the manufacturer of the system

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